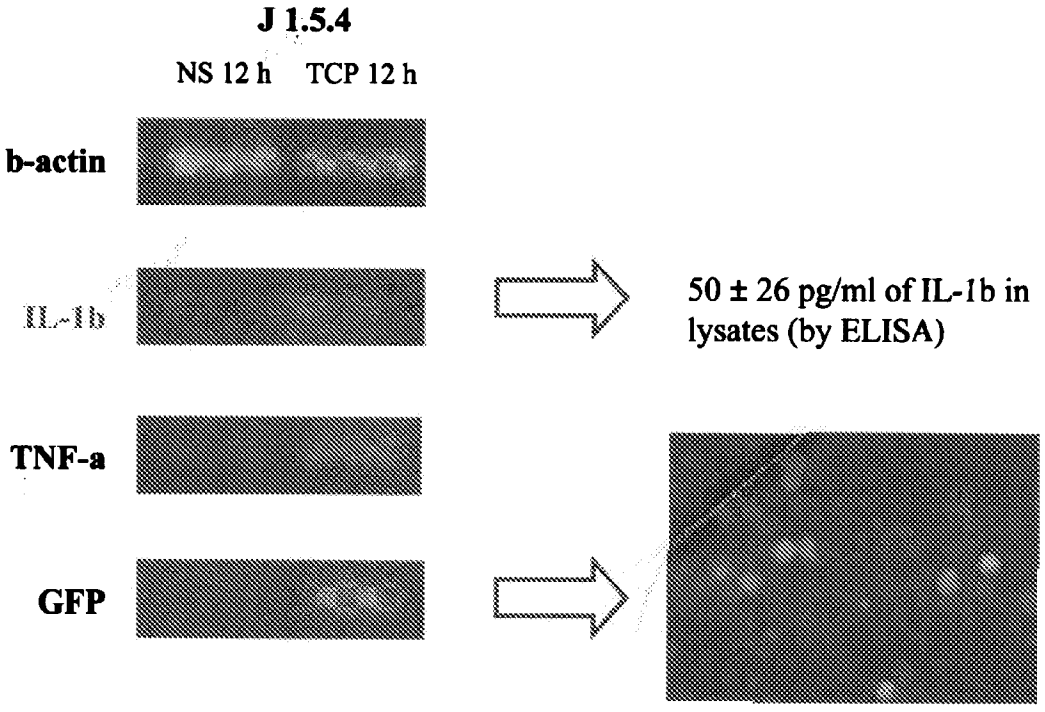
Fig. 22

Expression of IL-1β and GFP in J.1.5.4 stimulated with tetrachloroplatinate TCP

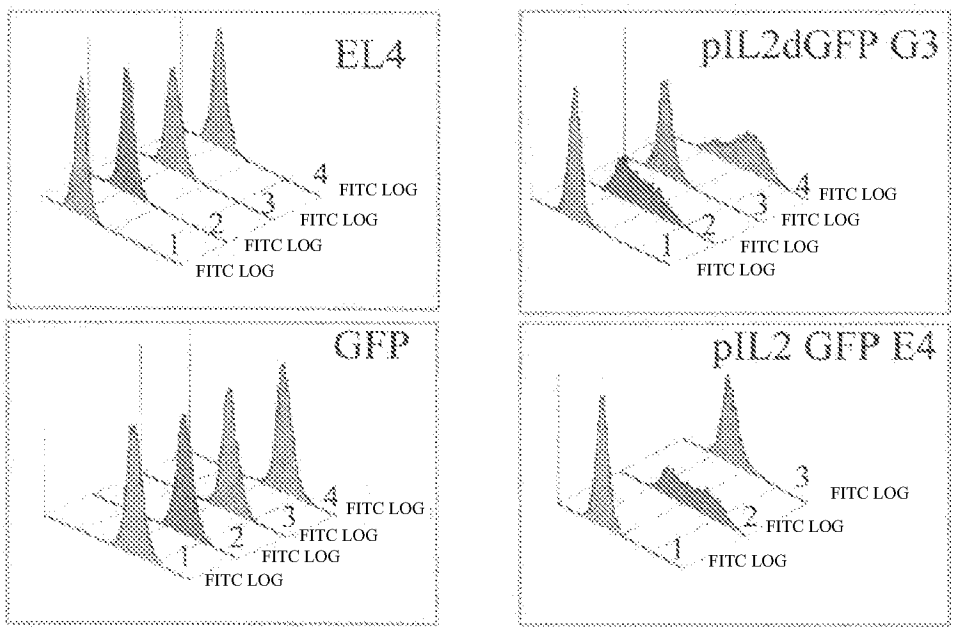
A. The EC_{50} values for selected chemicals from the list of model immunotoxicants (concentration causing death of 50% of cells in the population) obtained with MTT assay with macrophages J774A.1 and clone J 1.5.4.

B. J 1.5.4. reporter cells were incubated with these chamicals and observed under fluorescence microscope. In the case of tetrachloroplatinate upregulation of green fluorescence was observed. The expression of GFP and endogenous IL-1β was confirmed with RT-PCR and with RT-PCR and ELISA, respectively.



Response of reporter cell lines to model xenobiotics (I)

Two EL-4 derived IL-2 expresion reporter cell lines were activated with TPA/ionomycine for 16 hr in the presence or absence of cyclosporin A or Rapamycin. The level of EGFP mediated fluorescence was determined by FACS



1. -control (only medium)
2. -ionomycin (1uM) + PMA(10ng/mL)
3. -Ionomycin/PMA + CsA (2ug/mL)
4. -Ionomycin/PMA + Rapamycin (20ng/mL)

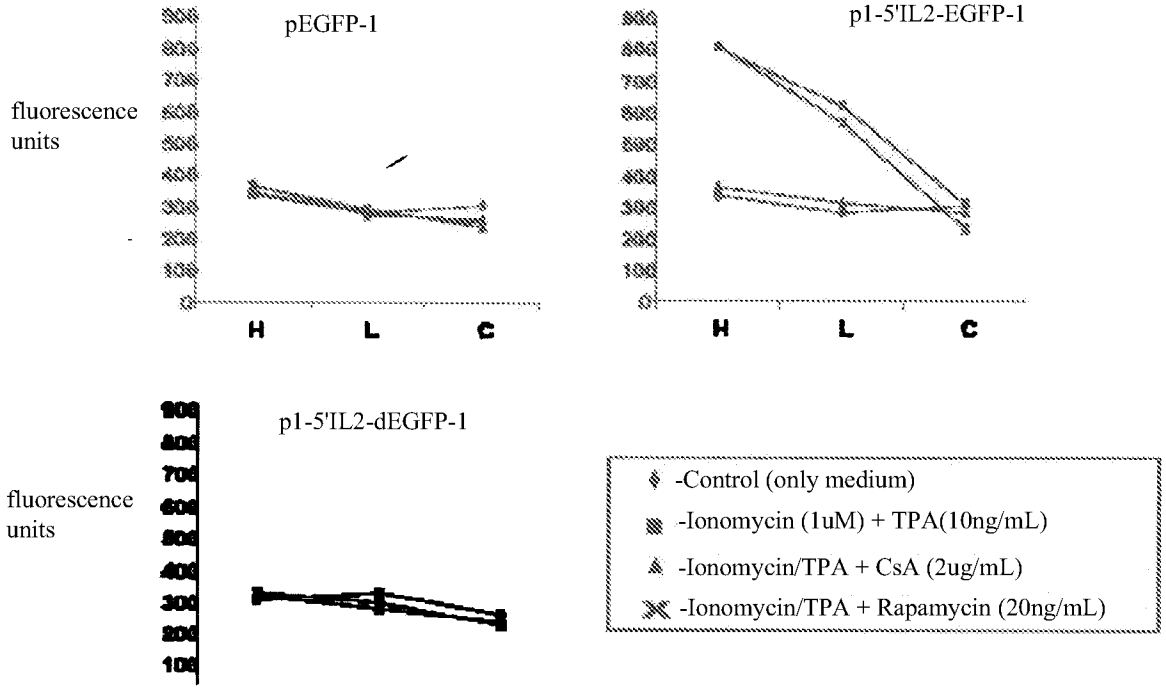
Fig. 23

Fig. 24

Response of reporter cell lines to model xenobiotics (II)

Two EL-4 derived IL-2 expression reporter cell lines were activated with TPA/ionomycine for 16 hr in the presence or absence of Cyclosporin A or Rapamycin. The level of EGFP mediated fluorescence was determined with Fluorostar plate reader (A) and under fluorescence microscope (B)

A



B